



Stax

September 2009 / Stax SRM-600 Limited

Listen up... limited to just 600 pieces world-wide, STAX have produced the SRM-600 Limited - a very special driver unit incorporating the very special "ECC99" high-power dual triode...

Introduction

An all-new **limited edition driver unit** has been launched to enjoy **STAX ear speakers** in the finest way possible.

The exceptional performance of the **SRM-600 Limited** opens up a new dimension of music reproduction, where nothing else comes even close!

The **output stage** of the **SRM-600 Limited** has adopted a **high-power dual triode "ECC99" from Slovakia JJ Electronic**. This **triode** is renowned for its high-grade vacuum tube technology and manufacturing. The detail and dynamics that the addition of this **triode** brings, further enhances the quality and performance of the **SRM-600 Limited**, which is more than a little special.

The newest hybrid type driver unit with FET input and dual triode output, adopting a pure Class-A balanced amplification circuit

Output stage employing "ECC99" high-power dual triode.

The **vacuum tube from JJ Electronic** (one of the best and most-advanced devices available today) is manufactured with the **assembly accuracy of $\pm 0.02\text{mm}$ or less** and **up to 5,000 hours of lifetime test**. Essentially, the **"ECC99"** is a **high-power dual triode** developed for the **driver stage of a power amplifier** as well as for the **output stage of a preamplifier**. In this **new driver unit** the **tube** is used for the **output stage featuring a pure class-A, balanced**



amplification circuit. Taking advantage of a **dual triode enclosing two triodes inside**, the **HOT and COLD signals** can be amplified and output through each **triode**. With its **high linearity and ample power bandwidth**, the **SRM-600 Limited** faithfully reproduces music signals that quickly change dynamically.

Input stage with pair-matched low noise FET
Low-noise, high-impedance discrete FET's have been employed for the **input stage**. These devices are **strictly selected by STAX** so that the **HOT and COLD** parts of the balanced signals are **amplified in mirror image**. They are used in a **pair-matched hybrid configuration**, which also **heat balance** into consideration. This enables the **XLR balanced input** to perform a **purely balanced transmission and amplification** straight from input to output.

Moreover, the **RCA input** also keeps its sound purity in such way a way that the **GND side** is simply connected to the **COLD side** without using an inverting amplifier, and a **high-quality audio-grade relay** serves as the three-line input selector.

Power supply with large-sized power transformer and low ripple circuit

The **power supply section** supporting the pure **balanced transmission/amplification circuit** has adopted a **large-sized power transformer** with the **biggest capacity among STAX driver units**. This ensures an **adequately wide dynamic range** as well as the **stable operation even when mains voltage fluctuates**.

Simultaneously, **low-noise, low-loss short key barrier diodes** as well as **capacitors with large capacitance** are **incorporated in the rectification circuit to drastically eliminate ripples distorting sound**.

Moreover, the **heater power supply circuit** for the **"ECC99" high-power dual triode** features a **right-and-left channel independent construction**, which **greatly improves both the S/N ratio and the channel separation**.

Strictly selected components such as high sound-quality 4-gang volume controller

The high sound quality **4-gang volume controller** with **double-axis structure** ideally adjusts the **input level of HOT and COLD signal** on **both right and left channels**. Furthermore, **non-magnetic audio-grade carbon film resistors** are used for the **load resistance**.

3 pairs of input terminals - one for XLR and two for RCA

One **stereo XLR input** is for connecting directly to the **XLR balanced output** of a high-class CD/SACD player. Also, **two pairs of RCA inputs** enable the unit to switch between connected source equipment. Additionally, **one of the two RCA inputs** has a **bypassing output option** that for example, allows you to connect to an integrated amplifier offering even more flexibility.

Finish

Graced with a very **sophisticated black aluminium front panel (with hairline finish)**, the **SRM-600 Limited** looks every bit as wonderful as it sounds!

One of the best just got better

The **limited six hundred-piece (world-wide) release of the Stax SRM-600 Limited** means only a lucky few will own and enjoy what will quickly become a collectors item for many a generation to come.

Specifications

- **Vacuum tube:** ECC99 x 2
- **Frequency Response:** DC - 84kHz +0, -3db
- **Rated input level:** 200mV (at 100V output)
- **Gain:** 54dB (x 500)
- **Harmonic distortion:** 0.01% or less (at 100Vrms/1kHz output)
- **Input impedance:** 50kΩ (RCA input), 100kΩ (XLR input)
- **Input terminal:** two RCA (one with bypassing output), one XLR connector
- **Maximum output voltage:** 340Vrms (1kHz)
- **Bias voltage:** DC580V x 2 (PRO bias)
- **Mains voltage:** AC117V, 220V, 230V, 240V, 50/60Hz (depending on your country's voltage)
- **Power consumption:** 52W
- **Operating temperature:** 0 to 35 degrees C
- **Operating humidity:** 90% or less (on condition of no dew condensation)
- **Dimension:** 195 (w) x 103 (h) x 380 (d)mm (maximum protruding portion included)
- **Weight:** 4.6kg
- **XLR terminal polarity:** 1 - GND, 2 - HOT, 3 - COLD (European System)

Specifications and appearance are subject to change without notice for improvement.

